

FEB 01 1999  
GROUP 1800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Edwin SOUTHERN : Group Art Unit 1634  
Serial No. 08/925,676 : Examiner A. Marschel  
Filed September 9, 1997 :

ANALYSING POLYNUCLEOTIDE SEQUENCES

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975-

PATENT OFFICE FEE TRANSMITTAL FORM

Assistant Commissioner for Patents,  
Washington, D.C.

Sir:

Please charge \$220.00 to the deposit Account No. 23-0975 to cover Patent Office fees relating to filing the following attached papers:

Terminal Disclaimer. . . . . \$110.00

Petition for Extension . . . . . \$110.00

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

*The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.*

Respectfully submitted,

Edwin SOUTHERN

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[Check No. 31434]  
[97-1165/WMC/263]

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

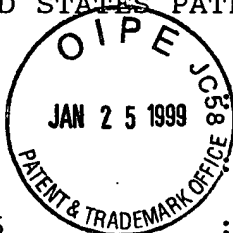
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:

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#  
Amended  
2/3/99

AMENDMENT

Assistant Commissioner for Patents,

Washington, D.C.

Sir:

Responsive to the Official Action dated October 9, 1998, there is concurrently submitted herewith a petition for extension of time. Please amend the above-identified application as follows:

IN THE CLAIMS

Cancel without prejudice claims 17-35, 37-46, 53, 56-70, 73-85, 87-94, 96-104 and 106-114.

Kindly amend the claims as follows:

71. (Amended) A method for analysing multiple sequences ~~variants~~ in multiple polynucleotides, which comprises:

a) laying down stripes of oligonucleotides corresponding to each sequence ~~variant~~ on the surface of <sup>an impermeable</sup> solid support,

b) applying the polynucleotides to the surface under hybridisation conditions in stripes orthogonal to those of the oligonucleotides,

c) observing hybridisation at a site of intersection as an indication of the presence of a ~~variant~~ sequence in the